

Environmental Protection Agency

§ 420.102

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kilograms per day	
TSS	5.72	2.45
O&G ¹	2.45	0.819
pH	(²)	(²)

¹ The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

² Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with a combination acid pickling operation.

[47 FR 23284, May 27, 1982; 47 FR 41739, Sept. 22, 1982]

Subpart J—Cold Forming Subcategory

§ 420.100 Applicability; description of the cold forming subcategory.

(a) The provisions of this subpart are applicable to discharges and to the introduction of pollutants into publicly owned treatment works from cold rolling and cold working pipe and tube operations in which unheated steel is passed through rolls or otherwise processed to reduce its thickness, to produce a smooth surface, or to develop controlled mechanical properties in the steel.

(b) The limitations and standards set out below for cold worked pipe and tube operations shall be applicable only where cold worked pipe and tube wastewaters are discharged at steel plant sites. No limitations are applicable or allowable where these wastewaters are hauled off-site for disposal or are otherwise not discharged at steel plant sites. The limitations and standards set out below for cold worked pipe and tube operations shall be applicable only to the blowdown of soluble oil or water solutions used in cold worked pipe and tube forming op-

erations. Limitations for other wastewater sources from these operations must be established on a site-specific basis.

[47 FR 23284, May 27, 1982, as amended at 49 FR 21034, May 17, 1984]

§ 420.101 Specialized definitions.

(a) The term *recirculation* means those cold rolling operations which include recirculation of rolling solutions at all mill stands.

(b) The term *combination* means those cold rolling operations which include recirculation of rolling solutions at one or more mill stands, and once-through use of rolling solutions at the remaining stand or stands.

(c) The term *direct application* means those cold rolling operations which include once-through use of rolling solutions at all mill stands.

(d) The term *single stand* means those recirculation or direct application cold rolling mills which include only one stand of work rolls.

(e) The term *multiple stands* means those recirculation or direct application cold rolling mills which include more than one stand of work rolls.

(f) The term *cold worked pipe and tube* means those cold forming operations that process unheated pipe and tube products using either water or oil solutions for cooling and lubrication.

§ 420.102 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

(a) *Cold rolling mills*—(1) *Recirculation—single stand*.

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Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS	0.00125	0.000626
O&G	0.000522	0.000209
Chromium ¹	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel ¹	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	.....
Tetrachloroethylene	0.0000031	.....
pH	(²)	(²)

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

² Within the range of 6.0 to 9.0.

(2) *Recirculation—multiple stands.*

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Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS	0.00626	0.00313
O&G	0.00261	0.00104
Chromium ¹	0.000104	0.0000418
Lead	0.0000469	0.0000156
Nickel ¹	0.0000939	0.0000313
Zinc	0.0000313	0.0000104
Naphthalene	0.0000104	.....
Tetrachloroethylene	0.0000156	.....
pH	(²)	(²)

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

² Within the range of 6.0 to 9.0.

(3) *Combination.*

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Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS	0.0751	0.0376
O&G	0.0313	0.0125
Chromium ¹	0.00125	0.000501
Lead	0.000563	0.000188
Nickel ¹	0.00113	0.000376
Zinc	0.000376	0.000125
Naphthalene	0.000125

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SUBPART J—Continued

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
Tetrachloroethylene	0.000188	.....
pH	(²)	(²)

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold rolling wastewaters are cotreated with descaling or combination acid pickling wastewaters.

² Within the range of 6.0 to 9.0.

(4) *Direct application—single stand.*

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Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS	0.0225	0.0113
O&G	0.00939	0.00376
Chromium ¹	0.000376	0.000150
Lead	0.000169	0.0000563
Nickel ¹	0.000338	0.000113
Zinc	0.000113	0.0000376
Naphthalene	0.0000376	.....
Tetrachloroethylene	0.0000563	.....
pH	(²)	(²)

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

² Within the range of 6.0 to 9.0.

(5) *Direct application—multiple stands.*

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Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS	0.100	0.0501
O&G	0.0417	0.0167
Chromium ¹	0.00167	0.000668
Lead	0.000751	0.000250
Nickel ¹	0.00150	0.000501
Zinc	0.000501	0.000167
Naphthalene	0.000167	.....
Tetrachloroethylene	0.000250	.....
pH	(²)	(²)

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

² Within the range of 6.0 to 9.0.

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(b) *Cold worked pipe and tube*—(1) *Using water.*

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Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS	0.00125	0.000626
O&G	0.000522	0.000209
Chromium ¹	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel ¹	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
pH	(²)	(²)

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold forming wastewaters are treated with descaling or combination acid pickling wastewaters.

² Within the range of 6.0 to 9.0.

(2) *Using oil solutions.*

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Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS	0.00125	0.000626
O&G	0.000522	0.000209
Chromium ¹	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel ¹	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	.....
Tetrachloroethylene	0.0000031	.....
pH	(²)	(²)

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold forming wastewaters are treated with descaling or combination acid pickling wastewaters.

² Within the range of 6.0 to 9.0.

[47 FR 23284, May 27, 1982, as amended at 49 FR 21034, May 17, 1984; 49 FR 24726, June 15, 1984]

§ 420.103 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the appli-

cation of the best available technology economically achievable.

(a) *Cold rolling mills*—(1) *Recirculation—single stand.*

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Pollutant or pollutant property	BAT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
Chromium ¹	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel ¹	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	.....
Tetrachloroethylene	0.0000031	.....

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) *Recirculation—multiple stands.*

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Pollutant or pollutant property	BAT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
Chromium ¹	0.000104	0.0000418
Lead	0.0000469	0.0000156
Nickel ¹	0.0000939	0.0000313
Zinc	0.0000313	0.0000104
Naphthalene	0.0000104	.....
Tetrachloroethylene	0.0000156	.....

¹ The limitations for chromium and nickel shall be applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(3) *Combination.*

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Pollutant or pollutant property	BAT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
Chromium ¹	0.00125	0.000501
Lead	0.000563	0.000188
Nickel ¹	0.00113	0.000376
Zinc	0.000376	0.000125
Naphthalene	0.000125	.....